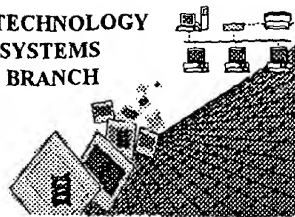


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/990,832B
Source: OIP
Date Processed by STIC: 12/27/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin2help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/990,832B

TIME: 14:01:17

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

3 <110> APPLICANT: University Court of the University of Glasgow
 5 <120> TITLE OF INVENTION: Targeting peptides
 7 <130> FILE REFERENCE: PC/MC/JM/P11910US
 9 <140> CURRENT APPLICATION NUMBER: US 09/990,832B
 10 <141> CURRENT FILING DATE: 2001-11-16
 12 <160> NUMBER OF SEQ ID NOS: 127
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 7
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial
 W--> 21 <220> FEATURE:
 W--> 21 <223> OTHER INFORMATION:
 W--> 21 <400> 1
 23 Ala Ala Ser Ala Arg Leu Pro
 24 1 5
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 7
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Artificial
 W--> 32 <220> FEATURE:
 W--> 32 <223> OTHER INFORMATION:
 W--> 32 <400> 2
 34 Val Tyr Phe Pro Ala Pro Asn
 35 1 5
 38 <210> SEQ ID NO: 3
 39 <211> LENGTH: 7
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Artificial
 W--> 43 <220> FEATURE:
 W--> 43 <223> OTHER INFORMATION:
 W--> 43 <400> 3
 45 Phe Ser Met Ser Thr Pro Ser
 46 1 5
 49 <210> SEQ ID NO: 4
 50 <211> LENGTH: 7
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Artificial
 W--> 54 <220> FEATURE:
 W--> 54 <223> OTHER INFORMATION:
 W--> 54 <400> 4
 56 Ile Val Ala Gln Pro Arg Leu
 57 1 5

global error

(see p.6 for error explanation)

**Does Not Comply
Corrected Diskette Needed**

pp F-6

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/990,832B

TIME: 14:01:17

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

60 <210> SEQ ID NO: 5
61 <211> LENGTH: 7
62 <212> TYPE: PRT
63 <213> ORGANISM: Artificial
W--> 65 <220> FEATURE:
W--> 65 <223> OTHER INFORMATION:
W--> 65 <400> 5
67 Phe Pro Gln Thr Tyr Thr Thr
68 1 5
71 <210> SEQ ID NO: 6
72 <211> LENGTH: 7
73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial
W--> 76 <220> FEATURE:
W--> 76 <223> OTHER INFORMATION:
W--> 76 <400> 6
78 Asn Ile Ala Ala Phe Ser Leu
79 1 5
82 <210> SEQ ID NO: 7
83 <211> LENGTH: 7
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial
W--> 87 <220> FEATURE:
W--> 87 <223> OTHER INFORMATION:
W--> 87 <400> 7
89 Gln Pro Arg Leu Leu His His
90 1 5
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 7
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial
W--> 98 <220> FEATURE:
W--> 98 <223> OTHER INFORMATION:
W--> 98 <400> 8
100 Asn Ile Ile Pro Ala Pro Thr
101 1 5
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 7
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial
W--> 109 <220> FEATURE:
W--> 109 <223> OTHER INFORMATION:
W--> 109 <400> 9
111 Ser Pro Thr Tyr Pro Arg Arg
112 1 5
115 <210> SEQ ID NO: 10
116 <211> LENGTH: 7
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/990,832B

TIME: 14:01:17

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

W--> 120 <220> FEATURE:
W--> 120 <223> OTHER INFORMATION:
W--> 120 <400> 10

122 Thr Arg Ser Gln Pro Pro Leu

123 1 5

126 <210> SEQ ID NO: 11

127 <211> LENGTH: 7

128 <212> TYPE: PRT

129 <213> ORGANISM: Artificial

W--> 131 <220> FEATURE:

W--> 131 <223> OTHER INFORMATION:

W--> 131 <400> 11

133 Asn Thr Gly Pro Asn Arg Val

134 1 5

137 <210> SEQ ID NO: 12

138 <211> LENGTH: 7

139 <212> TYPE: PRT

140 <213> ORGANISM: Artificial

W--> 142 <220> FEATURE:

W--> 142 <223> OTHER INFORMATION:

W--> 142 <400> 12

144 Pro Pro Pro Asp Trp Thr Phe

145 1 5

148 <210> SEQ ID NO: 13

149 <211> LENGTH: 7

150 <212> TYPE: PRT

151 <213> ORGANISM: Artificial

W--> 153 <220> FEATURE:

W--> 153 <223> OTHER INFORMATION:

W--> 153 <400> 13

155 Ser His Phe Ser His Leu Arg

156 1 5

159 <210> SEQ ID NO: 14

160 <211> LENGTH: 7

161 <212> TYPE: PRT

162 <213> ORGANISM: Artificial

W--> 164 <220> FEATURE:

W--> 164 <223> OTHER INFORMATION:

W--> 164 <400> 14

166 Ala Phe Asn Tyr Pro Pro His

167 1 5

170 <210> SEQ ID NO: 15

171 <211> LENGTH: 7

172 <212> TYPE: PRT

173 <213> ORGANISM: Artificial

W--> 175 <220> FEATURE:

W--> 175 <223> OTHER INFORMATION:

W--> 175 <400> 15

177 Asp Phe Leu Gln Val Ser Pro

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/990,832B

TIME: 14:01:17

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

178 1 5
181 <210> SEQ ID NO: 16
182 <211> LENGTH: 7
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial
W--> 186 <220> FEATURE:
W--> 186 <223> OTHER INFORMATION:
W--> 186 <400> 16
188 Ser Pro Asp His Leu Phe Cys
189 1 5
192 <210> SEQ ID NO: 17
193 <211> LENGTH: 7
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial
W--> 197 <220> FEATURE:
W--> 197 <223> OTHER INFORMATION:
W--> 197 <400> 17
199 Leu Glu His Pro Pro Thr Thr
200 1 5
203 <210> SEQ ID NO: 18
204 <211> LENGTH: 7
205 <212> TYPE: PRT
206 <213> ORGANISM: Artificial
W--> 208 <220> FEATURE:
W--> 208 <223> OTHER INFORMATION:
W--> 208 <400> 18
210 Thr Tyr Pro Ser Ser Glu Trp
211 1 5
214 <210> SEQ ID NO: 19
215 <211> LENGTH: 7
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial
W--> 219 <220> FEATURE:
W--> 219 <223> OTHER INFORMATION:
W--> 219 <400> 19
221 Ile Pro Met His Leu His Asn
222 1 5
225 <210> SEQ ID NO: 20
226 <211> LENGTH: 7
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial
W--> 230 <220> FEATURE:
W--> 230 <223> OTHER INFORMATION:
W--> 230 <400> 20
232 Thr Ser Glu Ser Pro Thr Val
233 1 5
236 <210> SEQ ID NO: 21
237 <211> LENGTH: 7
238 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/990,832B

TIME: 14:01:17

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

239 <218> ORGANISM: Artificial
W--> 241 <220> FEATURE:
W--> 241 <223> OTHER INFORMATION:
W--> 241 <400> 21

243 Tyr Ser Leu Ser Arg Ser Leu
244 1 5

247 <210> SEQ ID NO: 22

248 <211> LENGTH: 7

249 <212> TYPE: PRT

250 <213> ORGANISM: Artificial

W--> 252 <220> FEATURE:

W--> 252 <223> OTHER INFORMATION:

W--> 252 <400> 22

254 Asn His Leu Ser Ala Leu Tyr
255 1 5

258 <210> SEQ ID NO: 23

259 <211> LENGTH: 7

260 <212> TYPE: PRT

261 <213> ORGANISM: Artificial

W--> 263 <220> FEATURE:

W--> 263 <223> OTHER INFORMATION:

W--> 263 <400> 23

265 Thr Tyr Ser Leu Lys Ser Ala
266 1 5

269 <210> SEQ ID NO: 24

270 <211> LENGTH: 7

271 <212> TYPE: PRT

272 <213> ORGANISM: Artificial

W--> 274 <220> FEATURE:

W--> 274 <223> OTHER INFORMATION:

W--> 274 <400> 24

276 Thr Ser Thr Met Pro Ser Arg
277 1 5

280 <210> SEQ ID NO: 25

281 <211> LENGTH: 7

282 <212> TYPE: PRT

283 <213> ORGANISM: Artificial

W--> 285 <220> FEATURE:

W--> 285 <223> OTHER INFORMATION:

W--> 285 <400> 25

287 Glu Thr Ile Lys Thr Asn Thr
288 1 5

291 <210> SEQ ID NO: 26

292 <211> LENGTH: 7

293 <212> TYPE: PRT

294 <213> ORGANISM: Artificial

W--> 296 <220> FEATURE:

W--> 296 <223> OTHER INFORMATION:

W--> 296 <400> 26

FYI

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/990,832B

DATE: 12/27/2002
TIME: 14:01:18

Input Set : A:\9013.22.txt
Output Set: N:\CRF4\12272002\I990832B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:118,119,120,121,122,123,124,125,126,127

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:118,119,120,121,122,123,124,125,126,127

global error explanation

VERIFICATION SUMMARY

DATE: 12/27/2002

PATENT APPLICATION: US/09/990,832B

TIME: 14:01:18

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

L:21 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:21 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:21 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:21
L:32 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:32 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:32 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:32
L:43 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:43 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:43 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:43
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:54 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
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L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
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L:65 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
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L:76 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
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ORGANISM:Artificial
L:76 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:76
L:87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:87 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
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L:87 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:87
L:98 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
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L:98 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
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L:109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:109 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:109 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:109
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
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L:120 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:120 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:120
L:131 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:131 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>

ORGANISM:Artificial

L:131 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:131

L:142 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>

ORGANISM:Artificial

L:142 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>

ORGANISM:Artificial

L:142 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:142

L:153 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>

ORGANISM:Artificial

L:153 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>

ORGANISM:Artificial

L:153 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:153

L:164 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>

ORGANISM:Artificial

L:164 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>

ORGANISM:Artificial

L:164 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:164

L:175 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>

ORGANISM:Artificial

L:175 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>

ORGANISM:Artificial

L:175 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:175

L:186 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>

ORGANISM:Artificial

L:186 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>

ORGANISM:Artificial

L:186 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:186

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/990,832B

DATE: 12/27/2002

TIME: 14:01:18

Input Set : A:\9013.22.txt

Output Set: N:\CRF4\12272002\I990832B.raw

L:197 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial

L:197 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial